

**CHAPTER 4 LESSON 3 HOMEWORK**  
*Exponents and Square Roots*

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1 Simplify each expression

a.  $4^3$

b.  $7^3$

c.  $2^4$

d.  $8^3$

e.  $(2.4)^2$

f.  $(0.8)^3$

2. Write using exponents:

a.  $3 \cdot 3 \cdot 3 \cdot 3 \cdot 3 \cdot 3 =$  \_\_\_\_\_

b.  $0.2 \cdot 0.2 \cdot 0.2 =$  \_\_\_\_\_

c.  $a \cdot a \cdot a \cdot a =$  \_\_\_\_\_

3. Write an exponential expression from the phrase or a phrase from the exponential expression

a. three less than five squared

b. the product of two and three, cubed

c.  $8^3 + 5$

d.  $(9 - 7)^2$